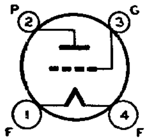


RCA-20

POWER AMPLIFIER



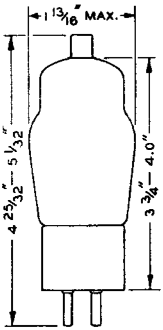
The 20 is a power amplifier triode for use in dry-battery operated receivers employing 3.3-volt filament tubes.

CHARACTERISTICS

Filament Voltage (D.C.)		3.0- 3.3	Volts
Filament Current		0.125-0.132	Ampere
Plate Voltage	90	135 *max.*	Volts
Grid Voltage	−16.5	−22.5	Volts
Plate Current	3	6.5	Milliamperes
Plate Resistance	8000	6300	Ohms
Amplification Factor	3.3	3.3	
Transconductance	415	525	Micromhos
Load Resistance	9600	6500	Ohms
Undistorted Power Output	45	110	Milliwatts
Grid-Plate Capacitance		4.1	μμf
Grid-Filament Capacitance		2.0	μμf
Plate-Filament Capacitance		2.3	μμf
Bulb			T-8
Base			Small 4-Pin

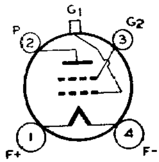
This type is used principally for renewal purposes.

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RCA-22

SCREEN-GRID RADIO-FREQUENCY AMPLIFIER



The 22 is a screen grid tube designed particularly for radio-frequency amplification in dry-battery-operated receivers employing 3.3-volt filament tubes.

CHARACTERISTICS

Filament Voltage (D. C.)		3.3	Volts
Filament Current		0.132	Ampere
Plate Voltage	135	135 *max.*	Volts
Screen Voltage (Grid No. 2)	45*	67.5† *max.*	Volts
Grid Voltage (Grid No. 1)	−1.5	−1.5	Volts
Plate Current	1.7	3.7	Milliamperes
Screen Current (Maximum)	0.6	1.3	Milliamperes
Plate Resistance	725000	325000	Ohms
Amplification Factor	270	160	
Transconductance	375	500	Micromhos
Grid-Plate Capacitance (With shield-can)		0.02 *max.*	μμf
Input Capacitance		4.0	μμf
Output Capacitance		10	μμf
Bulb			ST-14
Cap			Small Metal
Base			Medium 4-Pin

* Maximum value of grid resistor is 5.0 megohms. † Maximum value of grid resistor is 1.0 megohm.

This type is used principally for renewal purposes.